

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 07917-083002	Application No. 09/824,358
	Applicant Michael R. Green et al.			
	Filing Date 4/20/01	Group Art Unit 1632		

 11033 U.S. PTO  
09/824,358


U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
AmB		5,741,679	April 21, 1998	George et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
AmB	AA	Amara, J.F. et al., "A versatile synthetic dimerizer for the regulation of protein-protein interactions," Proc. Natl. Acad. Sci. USA, 94 10618-10623 (1997)
	AB	Arigoni et al., "A Genome-based approach for the identification of essential bacterial genes," Nature Biotechnology, 16: 851-856 (1998)
	AC	Bartel and Szostak, "Isolation of New Ribozymes from a Large Pool of Random Sequences," Science, 261: 1411-1418 (1993)
	AD	Beaudry and Joyce, "Directed Evolution of an RNA Enzyme," Science, 257, 635-641 (1992)
	AE	Conrad et al., "In vitro selection methodologies to probe RNA function and structure," Molecular Diversity, 1: 69-78 (1995)
	AF	Ellington and Conrad, "Aptamers as potential nucleic acid pharmaceuticals," Biotechnology Annual Review, 1: 185-214 (1995)
	AG	Ellington et al. "In vitro selection of RNA molecules that bind specific ligands," Nature, 346:818-822 (1990)
	AH	Ellington, A.D. "Aptamers achieve the desired recognition: In vitro selection procedures can generate RNA molecules, known as aptamers, ..." Current Biology, 4: No. 5: 427-429 (1994)
	AI	Famulok, M., Molecular Recognition of Amino Acids by RNA-Aptamers: An L-Citrulline Binding RNA Motif ..., J. Am. Chem. Soc., 116:1698-1706 (1994)
	AJ	Friedmann, T. "Overcoming the obstacles to gene therapy," Sci. Am. June 1997, 96-101
AmB	AK	Gold, L. "Oligonucleotides as research, diagnostic, and therapeutic agents," J. Biol. Chem., 270, No. 23 13581-13584, (1995)

Examiner Signature <i>Anne-Marie Baker</i>	Date Considered 3/22/01
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AMB	AL	Good et al., "Expression of small, therapeutic RNAs in human cell nuclei," Gene Therapy, 4:45-54 (1997)
↓	AM	Gossen et al. "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," Proc. Natl. Acad. Sci. USA, 89:5547-5551 (1992)
	AN	Gottesfeld et al., "Regulation of gene expression by small molecules," Nature, 387: 202-205 (1997)
	AO	Green and Szostak, "Selection of a ribozyme that functions as a Superior Template in a Self-Copying Reaction," Science, 258:1910-1915 (1992)
	AP	Green et al., "In vitro genetic analysis of the Tetrahymena self-splicing intron," Nature, 347:406-408 (1990)
	AQ	Jellinek et al., "High-affinity RNA ligands to basic fibroblast growth factor inhibit receptor binding," Proc. Natl. Acad. Sci. 90:11227-11231 (1993)
	AR	Joyce, Gerald F., "Amplification, mutation and selection of catalytic RNA," Gene, 82:83-87 (1989)
	AS	Keenan et al., "Synthesis and activity of Bivalent FKBP12 Ligands for the regulated dimerization of proteins," Bioorganic & Medicinal Chemistry, 6:1309-1335 (1998)
	AT	Kenan et al., "Exploring molecular diversity with combinatorial shape libraries," TIBS 19:57-64 (1994)
	AU	Klug and Famulok, "All you wanted to know about SELEX," Mol. Biol. Reports 20: 97-107 (1994)
	AV	Lato et al., "In vitro selection of RNA lectins: using combinatorial chemistry to interpret ribozyme evolution," Current Biology, 2:291-303 No. 5 (1995)
	AW	Lehman et al., "Evolution In Vitro of an RNA Enzyme with Altered Metal Dependence," Nature 361:182-185, 1993
	AX	Liu et al., "Differential Evolution of Substrates for an RNA Enzyme in the Presence and Absence of Its Protein Cofactor," Cell, 77:1093-1100 (1994)
	AY	Liu et al., "Sequence-selective Carbohydrate-DNA Interaction: Dimeric and Monomeric Forms of the Calicheamicin Oligosaccharide Interfere with....," Proc. Natl. Acad. Sci. USA, 93:940-944, 1996.
	AZ	No et al., "Ecdysone-inducible Gene Expression in Mammalian Cells and Transgenic Mice," Proc. Natl. Acad. Sci. USA 93:3346-3351 (1996)
	AAA	Orkin and Motulsky, "Report and recommendations of the panel to assess the NIH investment in research on gene therapy," December 7, 1995:1-41
	ABB	Pan et al., "In Vitro Selection of RNAs That Undergo Autolytic Cleavage with PB <sup>2+</sup> ," Biochemistry 31:3887-3895, (1992)
	ACC	Schneider et al., Selection of High Affinity RNA Ligands to the Bacteriophage R17 Coat Protein," J. Mol. Biol. 228:862-869, (1992)
	ADD	Spencer et al., "Controlling Signal Transduction with Synthetic Ligands," Science 262:1019-1024, (1993)
AEE	Tuerk et al., "In Vitro Evolution of Functional Nucleic Acids: High-affinity RNA Ligands of HIV-1 Proteins," Gene 137:33-39, (1993)	
↓	AFF	Tuerk et al., "RNA Pseudoknots That Inhibit Human Immunodeficiency Virus Type 1 Reverse Transcriptase," Proc. Natl. Acad. Sci. USA, 89:6988-6992, (1992)
AMB	AGG	Tuerk et al., "Systematic Evolution of Ligands by Exponential Enrichment: RNA Ligands to Bacteriophage T4 DNA Polymerase," Science, 249:505-510, (1990)
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AMB ↓	- AHH	Uphoff et al., "In Vitro Selection of Aptamers: The Dearth of Pure Reason," Current Biology, 6:281-287, (1996)
	- AII	Verma et al., "Gene therapy – promises, problems and prospects," Nature. 389, 239-242, (1997)
	- AJJ	Wall, R.J., "Transgenic livestock: Progress and prospects for the future," Theriogenology, 45:57-68, (1996)
	- AKK	Wallis et al., "The Binding of Antibiotics to RNA," Prog. Biophys, Molec. Biol. 67:141-154, (1997)
	- ALL	Wang et al., "Specific binding of aminoglycoside antibiotics to RNA," Chemistry & Biology, 2, 5:281-290 (1995)
AMB	- AMM	Werstuck et al., "Controlling gene expression...", Science, 282:296-298, (1998)

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